

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. A monitor system comprising:
 - a host computer;
 - a first monitor connected to said host computer;
 - a second monitor, separate and unattached to said first monitor and smaller than said first monitor;
 - a first memory configured to store image information transmitted to said second monitor;
 - a second memory configured to store image information to be transmitted to said second monitor; and
 - a video driver in said host computer for providing a portion of a display on said first monitor to said second monitor, said video driver being operable to compare said first and second memories to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,
 - wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor.
2. The system of claim 1 further comprising a shared peripheral bus connected between said host computer and said second monitor.
3. The system of claim 2 wherein said second monitor is powered by said shared peripheral bus.
4. The system of claim 2 wherein said shared peripheral bus is a universal serial bus.
5. The system of claim 1 wherein said portion of a display comprises a separate window from said first monitor.

6. The system of claim 1 wherein said portion of a display is provided only to said second monitor.
7. The system of claim 1 further comprising a compression unit for compressing said portion of said display for transmission to said second monitor.
8. The system of claim 1 further comprising a software operating system controlling said first computer, said operating system controlling the transmission of video data to said second monitor.
9. The system of claim 1 wherein said second monitor includes:
 - a display screen;
 - a display controller coupled to said display screen;
 - a video memory coupled to said display controller; and
 - a bus interface coupled to said video memory.
10. The system of claim 1 wherein a display screen on said second monitor is less than 8.5 inches diagonally.
11. The system of claim 1 wherein said second monitor includes a touch screen.
12. The system of claim 1 wherein said second monitor includes icons for control of a display on said first monitor.
13. The system of claim 1 wherein said second monitor includes a transmission capability for providing data to said computer on the activation of buttons or icons on said second monitor.
14. The system of claim 13 wherein said transmission capability is wireless.
15. A monitor system comprising:
 - a host computer;
 - a shared peripheral bus connected to said host computer;
 - a first monitor connected to said host computer;

a second monitor, smaller than said first monitor, connected to said shared peripheral bus, said second monitor including

- a display screen on said second monitor of less than 8.5 inches diagonally;
- a display controller connected to said display screen,
- a video memory connected to said display controller,
- a bus interface connected to said video memory, and
- a power input connected to said bus so that the power for said second monitor is derived from said shared peripheral bus;

a compression unit in said host computer for compressing said portion of said display for transmission to said second monitor;

a video driver in said host computer for providing a separate window of a display to said second monitor and not to said first monitor.

16. The system of claim 15 wherein said shared peripheral bus is a universal serial bus.

17. The system of claim 15 further comprising a software operating system controlling said first computer, said operating system controlling the transmission of video data to said second monitor.

18. An apparatus comprising:

a second display screen for connection to a host computer having a first display screen, said second display screen being separate and unattached to said first display screen and smaller than said first display screen, said second display screen comprising:

- a display controller coupled to said second display screen;
- a video memory coupled to said display controller;
- a bus interface, coupled to said video memory, for providing an interface with a shared peripheral bus; and

a power input connected to said bus so that the power for said second display screen is derived from said shared peripheral bus.

19. The system of claim 15, further comprising:

a first bitmap configured to store image information transmitted to said second monitor; and

a second bitmap configured to store image information to be transmitted to said second monitor,

wherein said video driver is configured to compare said first and second bitmaps to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,

wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor.